



17611 U.S.PTO

PATENT APPLICATION
Docket No. 9898-321
Client No. SS-18146-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL

MAILING LABEL NO. EL982132711US
DATE OF DEPOSIT: NOVEMBER 12, 2003

I HEREBY CERTIFY THAT THIS PAPER AND ENCLOSURES AND/OR FEE ARE BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO: MAIL STOP PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

HILLARY A. DIXON
(SENDER'S PRINTED NAME)

(SIGNATURE)

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

17548 U.S.PTO
10/713577



Enclosed for filing is a patent application under 37 CFR 1.53(b) of:

Inventor(s): Ki-Yeon Park, Sung-Tae Kim, Young-Sun Kim, In-Sung Park,
Jae-Hyun Yeo and Ki-Vin Im

For: CAPACITOR OF SEMICONDUCTOR MEMORY DEVICE THAT HAS
COMPOSITE $\text{Al}_2\text{O}_3/\text{HfO}_2$ DIELECTRIC LAYER AND METHOD OF
MANUFACTURING THE SAME

This application is a continuation-in-part of prior application Serial No. 10/452,979 filed June 2, 2003.

Prior application info: Examiner: not yet assigned Group Art Unit: 2812

Applicant requests FIG. 1E to be published with the application.

Enclosures:

Specification (pages 1-11); claims (pages 12-15); abstract (page 16)

CLAIMS AS FILED				
For	Number Filed	Number Extra	Rate	Basic Fee
Total Claims	27-20	7	x \$ 18 =	\$126.00
Independent Claims	3-3	0	x \$ 86 =	\$0.00
TOTAL FILING FEE				\$896.00

Customer No. 20575

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.


Alan T. McCollom
Reg. No. 28,881

MARGER JOHNSON & McCOLLOM, P.C.
1030 SW Morrison Street
Portland, OR 97205
503-222-3613